0570 0620



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Application Serial Number: 09/963.3474Source: 01/2002

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- 1 EFS-Bio (http://www.uspto.gov/ebc/efs/downloads/documents.htm , EFS Submission User Manual ePAVE)
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/963,347A

DATE: 06/11/2002

TIME: 16:50:33

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Output Set: N:\CRF3\06112002\I963347A.raw

Does Not Comply
Corrected Diskette Needed:

3 <110 · APPLICANT: Bazan, J. Fernando

de Waal Malefyt, Rene

5 Liu, Yong-Jun

6 Soumelis, Vassili

8 <120 > TITLE OF INVENTION: MAMMALIAN CYTOKINES; RELATED REAGENTS AND METHODS

10 <130> FILE REFERENCE: DX0903K1

12 <140 > CURRENT APPLICATION NUMBER: US 09/963,347A

13 <141> CURRENT FILING DATE: 2001-09-25

15 <150> PRIOR APPLICATION NUMBER: US 09/399,492

16 - 151 - PRIOR FILING DATE: 1999-09-20

18 <150> PRIOR APPLICATION NUMBER: US 60/131,298

19 <151> PRIOR FILING DATE: 1999-04-27

21 <150> PRIOR APPLICATION NUMBER: US 60/101,318

22 <151> PRIOR FILING DATE: 1998-09-21

24 <160> NUMBER OF SEQ ID NOS: 9

26 <170> SOFTWARE: PatentIn version 3.1

28 <210> SEQ ID NO: 1

29 <211> LENGTH: 468

30 - 212: TYPE: DNA

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41 + 222 + LOCATION: (119)..()

42 < 223 > OTHER INFORMATION:

45 + 220 + FEATURE

46 <2215 NAME/KEY: misc_feature

47 - 222 - LOCATION: (301)..(301)

 48 ± 223 OTHER INFORMATION γ unknown amino

F1 - 100 - SEQUENCE: 1

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/963,347A

DATE: 06/11/2002 TIME: 16:50:33

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Output Set: N:\CRF3\06112002\1963347A.raw

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| | | ato | agt | aga | acc | | aqt | acc | gag | tta | | aac | acc | atc | tct | | age | 244 |
| | | - | - | | | | - | | | | | | | _ | Ser | _ | | |
| | 7() | | | | 30 | | | | | 35 | | | | | 40 | - | | |
| | | | | | | | | | | | | | | | ttc | | | 292 |
| | | Asn | Arg | | His | Cys | Leu | Thr | | I Le | Gln | Ser | Leu | | Phe | Asn | Pro | |
| 1 | 7.4 | | | 45 | | | | | 50 | | | | | 55 | | | | |
| ₩> | | | | | | | | | | | | | | | | | | 340 |
| | 77 78 | ASN | Arg 60 | arg | val | Arg | Ser | Leu 65 | Ala | Lys | GIU | мет | 70 | Ala | Met | Lys | Thr | |
| | | 220 | | acc | t t a | act | ato | | tac | 003 | aaa | t a t | | m 2 2 | act | a a a | 2+2 | 388 |
| | | | | | | | | | | | | | | | Thr | | | 300 |
| | 82 | | | | 2.54 | | 80 | 1-1- | 010 | 110 | 341 | 85 | 001 | Olu | | 0111 | 90 | |
| | | | get | act | cag | gca | atg | aag | aag | agg | aga | | agg | aaa | gtc | aca | | 436 |
| | 85 | Asn | Ala | Thr | Gln | Ala | Met | Lys | Lys | Arg | Arg | Lys | Arg | Lys | Val | Thr | Thr | |
| | 86 | | | | | 95 | | | | | 100 | | | | | 105 | | |
| | | | | | | | caa | | | | | aa | | | | | | 468 |
| | | Asn | Lys | Cys | | Glu | Gln | Val | Ser | | Leu | | | | | | | |
| | ð() | ~ 110 | | 10 TE | 110 | 2 | | | | 115 | | | | | | | | |
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| | | | | | | Homo | sap | iens | 1 | | | | | | | | | |
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| | $\frac{105}{106}$ | | . СТУ | _ | -30 | _ | мет | Phe | Pro | - 25 | | Leu | Leu | гтуг | - vai -20 | | Ser | shown in |
| | | | Sor | | | | . He | Dho | - 110 | _ | | Lou | Val | c1s | | | I,eu | • |
| | 130 | | L/C 1 | - 15 | | 1.7. | , , , , | 1 110 | - 10 | | (,) 1 1; | 11/ (1 | v (1 1 | - 5 | 1,6-(1 | V (1 1 | 1,6-41 | - Th-2 17,000 |
| | | | Twr | | | Thr | Asn | Cys | | | Glu | Lvs | He | 1.75 | Ala | Ala | T; r | |
| | | - 1 | | • | | | 5 | • | | | | $1\dot{0}$ | | • | | | 15 | The No Xin |
| | 117 | Leu | Sér | Thr | 11ϵ | Ser | Lys | Asp | Leu | -11e | Thi | Tyr | Met. | . Sei | Gly | Thi | Lys | |
| | 118 | | | | | 20 | | | | | 25 | | | | | 30 | | · · |
| | | ser | Thr | Glu | | Asn | Asn | Thr | Val | | Cys | Ser | Asn | . Arg | | His | Cys | ikun |
| | 122 | | er l | <i>(</i> 3.3 | 35 | ca 1 | | | *.1 | 40 | | | | | 45 | | | chai signam |
| | | L€u | lhr | | 110 | GIn | ser | Leu | Thr 55 | Phe | Asn | Pro | Asn | | Arg | Val | Arq | |
| | 126 | Sor | Lau | 50 Ala | 1 | Clu | Mot | Dho | | Mat | 1 | The | Luc | 60 - Ala | Ala | Low | Ala | |
| | 1 2- 1 | . 2 5 7 1 | : • • • 1 | 75.1.0 | 1 . 2 | (1111 | Lalf I | L. H. | Wid | Island | 1., 5 | 1 111 | 111.2 | Ald | . Ald | Teitt | Ald | |

^{141 55.6} Val Ser Sen Lea 142 115

RAW SEQUENCE LISTING

DATE: 06/11/2002 PATENT APPLICATION: US/09/963,347A TIME: 16:50:33

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Output Set: N:\CRF3\06112002\1963347A.raw

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151 / 221 NAME/KEY: CDS
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                                   -20
167 atc ttc atc tta caa ctt gta ggg ctg gtg tta act tac gac ttc act
                                                                         96
168 Ile Phe Ile Leu Gln Leu Val Gly Leu Val Leu Thr Tyr Asp Phe Thr
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                               - 5
                                    -1 1
171 aac tgt gac ttt gag aag att aaa gca gcc tat ete agt act att tet
                                                                        144
172 Asn Cys Asp Phe Glu Lys Ile Lys Ala Ala Tyr Leu Ser Thr Ile Ser
173 5
                       10
                                           15
175 aaa gac ctg att aca tat atg agt ggg acc aaa agt acc gag ttc aac
                                                                        192
176 Lys Asp Leu Ile Thr Tyr Met Ser Gly Thr Lys Ser Thr Glu Phe Asn
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179 aac acc gtc tct tgt agc aat cgg cca cat tgc ctt act gaa atc cag
                                                                        240
180 Asn Thr Val Ser Cys Ser Asn Arg Pro His Cys Leu Thr Glu Ile Gln
181
               40
                                   45
                                                       50
183 ago eta ace tto aat eec ace goo ggo tgo gog tog etc goo aaa gaa
                                                                        288
184 Ser Leu Thr Phe Asn Pro Thr Ala Gly Cys Ala Ser Leu Ala Lys Glu
           55
                               60
18" atg ttc gcc atg aaa act aag gct gcc tta gct atc tgg tgc cca ggc
                                                                        336
188 Met Phe Ala Met Lys Thr Lys Ala Ala Leu Ala Ile Trp Cys Pro Gly
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                           75
                                              8.0
141 tat tog gaa act dag ata aat got act dag goa atg aag aag agg aga
                                                                        384
192 Tyr Ser Glu Thr Gln Tle Asn Ala Thr Gln Ala Met Lys Lys Arg Arg
193 85
                                           95
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195 aaa agg aaa gto aca aco aat aaa tgt otg gaa caa gtg toa caa tta
                                                                       432
196 Lys Arg Lys Val Thr Thr Asn Lys Cys Leu Glu Gln Val Ser Gln Leu
                   105
                                       110
180
200 Gln Gly Leu Trp Arg Arg Phe Asn Arg Pro Leu Leu Lys Gln Gln
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[.] Programme de la companya de la com

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DATE: 06/11/2002

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/963,347A TIME: 16:50:33

Input Set : A:\DX0903Klseqlstg.txt

Output Set: N:\CRF3\06112002\1963347A.raw

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227 Asn Thr Val Ser Cys Ser Asn Arg Pro His Cys Leu Thr Glu Ile Gln
             4()
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231 Ser Leu Thr Phe Asn Pro Thr Ala Gly Cys Ala Ser Leu Ala Lys Glu
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235 Met Phe Ala Met Lys Thr Lys Ala Ala Leu Ala Ile Trp Cys Pro Gly
236 70
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239 Tyr Ser Glu Thr Gln Ile Asn Ala Thr Gln Ala Met Lys Lys Arg Arg
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243 Lys Arg Lys Val Thr Thr Ash Lys Cys Leu Glu Glh Val Ser Glh Leu
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266 Asp Gly Gly Ala Tyr Gln Asn Val Leu Met Val Ser Ile Asp Asp Leu
267 35
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274 Phe Phe Lys Lys His Ser Cys Asp Asp Ash Lys Glu Ala Ser Phe Leu
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2^{\circ}8 Asn Arg Ala Ala Arg Lys Leu Lys G.n Phe Leu Lys Met Asn Ile Ser
279 85
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282 Asp Asp Phe Lys Leu His Leu Ser Thr Val Ser Gln Gly Thr Leu Thr
283 100 105
286 Leu Leu Asn Cys Thr Ser Lys Gly Lys Gly Arg Lys Pro Pro Ser Leu
287 115 120
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290 Gly Glu Ala Gln Pro Thr Lys Asn Leu Glu Glu Asn Lys Ser Leu Lys
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Input Set : A:\DX0903Klseqlstg.txt

Output Set: N:\CRF3\06112002\1963347A.raw

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to lym 41. An lym Eys to. Ann Asp 10. The theorem is for the less 8.0° 145 $^{\circ}$ 150 $^{\circ}$ 150 $^{\circ}$ 155 $^{\circ}$ 160

RAW SEQUENCE LISTING ERROR SUMMARY
PAIENT APPLICATION: US/09/963,347A

DATE: 06/11/2002 TIME: 16:50:34

Input Set : A:\DX0903Klseqlstg.txt

Output Set: N:\CRF3\06112002\I963347A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the $\langle 220 \rangle$ to $\langle 223 \rangle$ fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 301